

Datasheet: PEP006

Description:	RECOMBINANT HORSE SERUM AMYLOID A
Name:	SERUM AMYLOID A
Other names:	SAA
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			
Functional Assays			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Horse
Product Form	Purified recombinant protein - lyophilized
Reconstitution	Reconstitute with 1.0 ml distilled water. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.
Preparation	Purified by affinity and reversed-phase chromatography
Buffer Solution	0.01M HCl
Preservative Stabilisers	None present
Approx. Protein Concentrations	0.1 mg/ml after reconstitution
External Database Links	UniProt: P19857 Related reagents

Product Information **Recombinant Horse serum amyloid A (SAA)** is a recombinant protein consisting of 120 amino acids, which includes a proprietary 10 aa tag at the N-terminus. An *Escherichia coli* expression system was used.

Serum amyloid A proteins are a family of acute phase proteins, produced primarily by the liver, highly conserved in vertebrate species, and used as markers of inflammation.

Equine SAA, as with serum amyloid A in other species, is present in different isoforms; this recombinant protein corresponds to isoform 1 (SAA1). Equine SAA is composed of 110 amino acids and differs from human SAA by having an 8 aa sequence insert in the central region of the sequence.

With similar biochemical properties to the native equine SAA, this reagent may be used as a standard in immunoassays for measurement of levels of horse serum amyloid A.

Protein Molecular Weight	13.6 kDa
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Purity	>95%
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Storage	Prior to reconstitution store at -20°C. After reconstitution store at -20°C. Storage in frost-free freezers is not recommended. This product should be stored undiluted.
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Guarantee	Guaranteed until date of expiry. Please see product label.
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Health And Safety Information	Material Safety Datasheet documentation #10590 available at: 10590: https://www.bio-rad-antibodies.com/uploads/MSDS/10590.pdf
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Regulatory	For research purposes only
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'M362572:200514'

Printed on 11 Aug 2020

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